



WRIGHT[®] AMERICAN

ELECTRIC WIRE ROPE HOIST



2, 3, 5, 7½ AND 10 TON CAPACITIES

Made with Pride

Our craftsmen and engineers continue a *Wright Heritage* spanning six decades of producing the finest American made hoist . . . the new *Wright American Hoist* is a product of that proud heritage.

WRIGHT[®] AMERICAN

CONTROLS: Choose single or two speed. Magnetic reversing controls mechanically and electrically interlock with 115v control circuit. Time delay fuses and motor thermostat provide both branch

circuit and motor running overcurrent protection. Meets NEC requirements. NEMA Type 3R enclosure. Lightweight, durable deep-drawn for easy access.

TROLLEY WHEELS: Forged steel with machined and hardened treads complete with pre-lubricated, sealed for life, heavy duty ball bearings.

MOTOR BRAKE: Job proven rectified D.C. magnet-actuated disc brake stops rapidly with minimum to zero drift. Separated from the gear housing for rapid cooling, the multiple coil brake's exclusive brake-sensing switch prevents the motor operating against the brake, should a brake adjustment be necessary.

LIMIT SWITCH: A gravity-type upper hook travel limit switch comes equipped with an automatic momentary lowering circuit. Optional geared limit switch can be factory or field installed.

MOTOR: 30-minute duty motor with standard NEMA flange Class F insulation. Standard single speed motor reconnects for 230 or 460v, 3 phase, 60 hertz. Standard NEMA shaft extensions.

WIRE ROPE: Pre-formed wire rope, made of either improved plow steel with a fiber core or extra improved plow steel (XIP) with a steel center, has swaged fittings on both ends.

HOOK: Drop forged heat-treated steel hook swivels 360° on a shielded roller thrust bearing and comes equipped with a spring latch.

DRUM: Machined grooves and large flanges provide smooth winding and extended rope life. Two full turns of rope remain on the large diameter steel drum at lowest hook position.

GEAR TRAIN: Oil-tight housings enclose the quiet, compact, helical gearing and the external spur drum gear. Machine cut, heat-treated alloy steel gears have shock resistant ductile cores. Designed to AGMA standards, gearing operates in an oil bath. Rugged aluminum alloy housing rapidly dissipates heat.

BEARINGS: Precision heavy duty ball bearings support all shafts. Bearings splash lubricated or life-time pre-lubricated and sealed.

MECHANICAL LOAD BRAKE: Automatic Weston-type multiple disc brake holds full load independent of the motor brake. The brake controls load acceleration while being lowered. Requires no wear compensation adjustment.

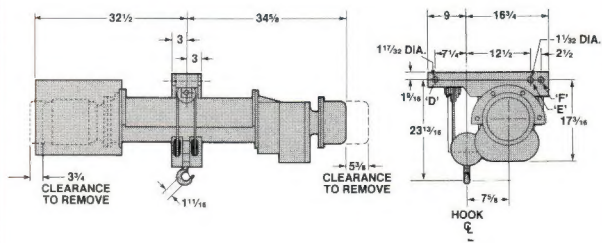
ELECTRIC WIRE ROPE HOISTS

The *Wright American* hoist line combines the engineered durability of custom specified hoists with the price and delivery of "off-the-shelf" products. Using high volume *Wright* parts and components, parts with years of job proven dependability, creates cost saving production efficiencies. The result is a high quality line of hoists, built with pride and engineering excellence, at very competitive prices.

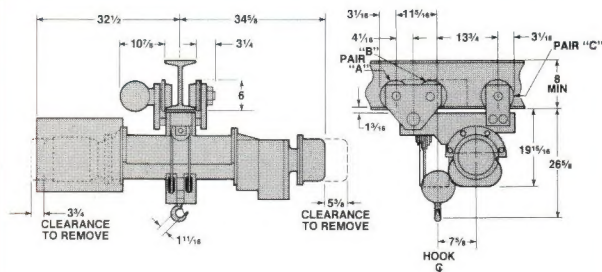
STANDARD FEATURES

- 2, 3, 5, 7½ and 10 Ton Capacities
- H-4 Duty Class
- Low Headroom
- Two Part Double Reeving—2, 3 and 5 Ton; Four Part Double Reeving—7½ and 10 Ton
- Lug, Plain Trolley or Motorized Trolley Suspension
- Mechanical Load Brake
- Helical Gearing on High Speed Shafts
- Spur Gearing on Drum Shaft
- D.C. Disc Brake
- Single Speed Motor
- NEMA 3R Enclosure
- Minimum End Approach
- Competitively Priced
- 2 to 4 Weeks Delivery
- Complies with ANSI B30.16 and ANSI/ASME HST-4M Specifications

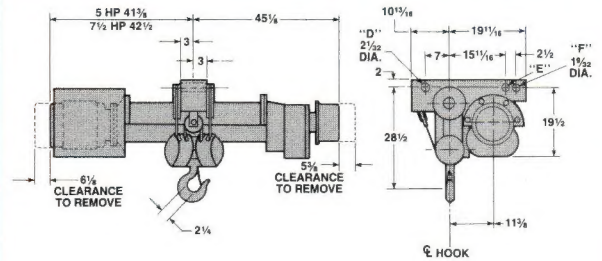
3 & 5 TON LUG MOUNTED 3 PIN



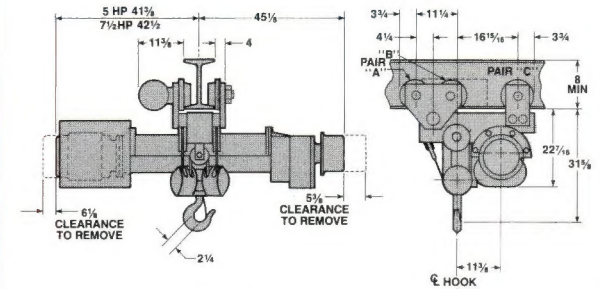
3 & 5 TON MOTORIZED TROLLEY 6 WHEEL



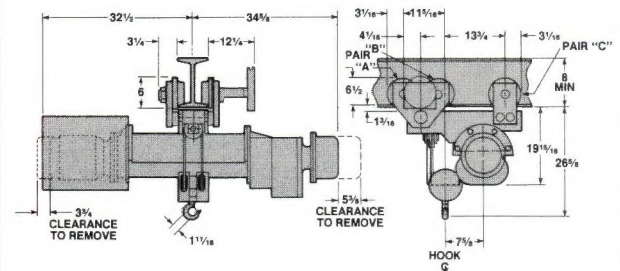
7 1/2 & 10 TON LUG MOUNTED



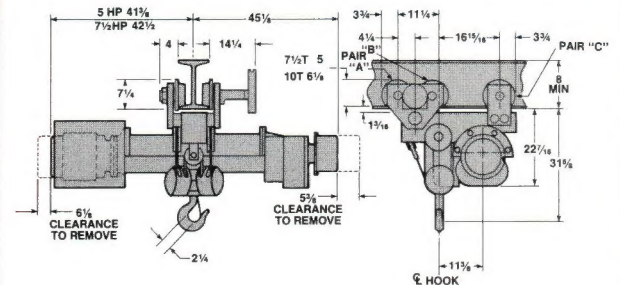
7 1/2 & 10 TON MOTORIZED TROLLEY 6 WHEEL



3 & 5 TON GEARED TROLLEY 6 WHEEL



7 1/2 & 10 TON GEARED TROLLEY 6 WHEEL



Two Speed Hoists									
Model No.	Product No.	Net Wt. (lbs.)	Wheel Loads ^a			Max Pin Loads ^a			Lift Speed FPM
			Pair 'A' (lbs.)	Pair 'B' (lbs.)	Pair 'C' (lbs.)	at 'D' (lbs.)	at 'E' (lbs.)	at 'F' (lbs.)	
2H0415T23L	3250270	840	—	—	—	4808	32	—	15/8
2H0415T23P	3250290	940	4042	898	—	—	—	—	15/8
2H0415T23M	3250310	1010	4047	963	—	—	—	—	15/8
2H0615T23L	3250330	980	—	—	—	7253	N/A	—	15/8
2H0615T23L1	3250450	1000	—	—	—	4220	1390	1390	15/8
2H0615T23P	3250350	1120	6102	1018	—	—	—	—	15/8
2H0615T23P1	3250470	1170	2135	2135	2900	—	—	—	15/8
2H0615T23G1	3250490	1220	2142	2142	2936	—	—	—	15/8
2H0615T23M	3250370	1175	6108	1067	—	—	—	—	15/8
2H0615T23M1	3250510	1250	2147	2147	2956	—	—	—	15/8
2H1015T23L	3250390	1060	—	—	—	12173	N/A	—	15/8
2H1015T23L1	3250530	1070	—	—	—	6860	2105	2105	15/8
2H1015T23P	3250410	1200	10097	1103	—	—	—	—	15/8
2H1015T23P1	3250550	1250	3456	3456	4338	—	—	—	15/8
2H1015T23G1	3250570	1300	3463	3463	4374	—	—	—	15/8
2H1015T23M	3250430	1255	10103	1152	—	—	—	—	15/8
2H1015T23M1	3250600	1330	3468	3468	4394	—	—	—	15/8
3H1512T25L	3373860	1850	—	—	—	11478	2686	2686	12/6
3H1512T25P	3373880	2075	5813	5813	5449	—	—	—	12/6
3H1512T25G	3374040	2125	5830	5830	5465	—	—	—	12/6
3H1512T25M	3373900	2150	5839	5839	5472	—	—	—	12/6
3H1515T25L	3373920	1875	—	—	—	11484	2695	2695	15/8
3H1515T25P	3373940	2100	5816	5816	5468	—	—	—	15/8
3H1515T25G	3374060	2150	5834	5834	5482	—	—	—	15/8
3H1515T25M	3373960	2175	5842	5842	5491	—	—	—	15/8
3H2012T25L	3373980	1875	—	—	—	15144	3365	3365	12/6
3H2012T25P	3374000	2100	7646	7646	6808	—	—	—	12/6
3H2012T25G	3374080	2150	7663	7663	6824	—	—	—	12/6
3H2012T25M	3374020	2175	7672	7672	6831	—	—	—	12/6

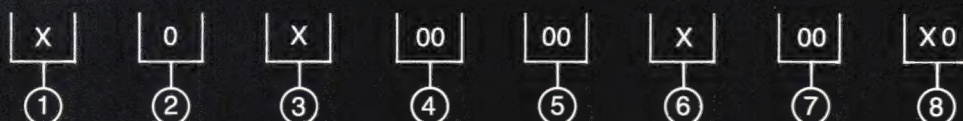
WARNING: Equipment described herein is not designed for, and should not be used for, lifting, supporting, or transporting humans. Modifications to upgrade, rerate, or otherwise alter the hoist equipment shall be authorized only by the original equipment manufacturer or qualified professional engineer. Failure to comply with any one of the limitations noted herein may result in serious bodily injury.

OPTIONAL FEATURES

- Upper & Lower Geared Limit Switches
- Trolley Motor Brake
- Mainline Contactor
- Two Speed Motor—15/8 FPM or 12/6 FPM
- Trolley with ACM (Acceleration Control Module) or Ballast Resistors
- Thermal Overload Relays
- NEMA Type 4 or 12 Enclosures
- Optional Trolley Speeds —
32 FPM on all Models and 32 & 125 FPM on
2 & 3 Ton Capacities
- Operation on Patented Track
- Extra Push Button Stations
- Optional Paint Colors Available

MODEL NUMBERING SYSTEM

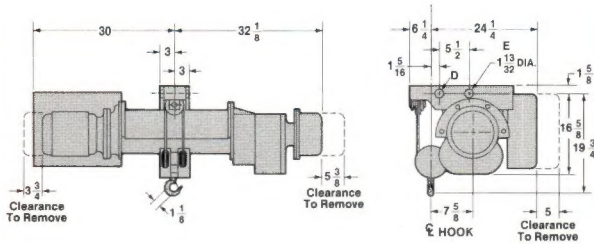
A special model numbering system has been devised to facilitate ordering your choice of *Wright American* hoist with standard or optional features.



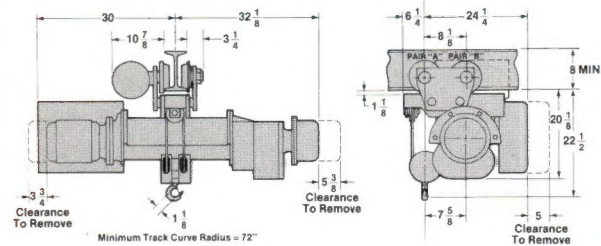
- ① PRODUCT: A = *Wright American*
- ② FRAME: 2 = Series 32, 3 = Series 33
- ③ REEVING: L = Single, H = Double
- ④ Capacity in 1000 lbs.:
X2 = 250 lbs.
X5 = 500 lbs.
01 = 1000 lbs.
02 = 2000 lbs.
- ⑤ LIFT SPEED: Catalog FPM
- ⑥ SPEED TYPE: S = Single, T = Two
- ⑦ LIFT: Catalog Foot
- ⑧ SUSPENSION: L = Lug
P = Plain Trolley
G = Geared Trolley
M = Motorized Trolley
1 = 3 Pin Lug or 6 Wheel Trolley Arrangement

Example: A3H1512T25M is a *Wright American* hoist, series 33 frame, with double reeving, 7½ ton capacity, 12 FPM lift speed, optional two speed non-reconnectable motor, 25 ft. lift and a motorized trolley.

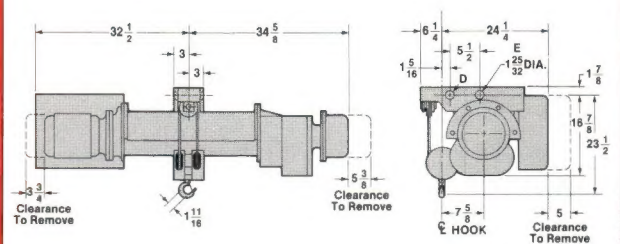
2 TON LUG MOUNTED 2 PIN



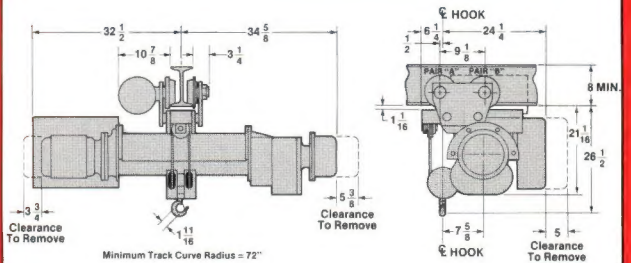
2 TON MOTORIZED TROLLEY 4 WHEEL



3 & 5 TON LUG MOUNTED 2 PIN



3 & 5 TON MOTORIZED TROLLEY 4 WHEEL



SPECIFICATIONS

Capacity (tons)	Suspension	Head Room (in.)	Std. Lift (ft.)	Wire Rope (in.)	Wheel Dia. (in.)	Hoist Motor		Single Speed Hoists									
								Model No.	Product No.	Net Wt. (lbs.)	Wheel Loads ^a			Max Pin Loads ^a			Lift Speed FPM
											Pair 'A' (lbs.)	Pair 'B' (lbs.)	Pair 'C' (lbs.)	at 'D' (lbs.)	at 'E' (lbs.)	at 'F' (lbs.)	
2	Lug Mounted 2 Pin	19¾	23	¼ IPS	—	2	1200	A2H0415S23L	3250260	780	—	—	—	4816	NA	—	15
	Plain Trolley 4 Wheel	22½			5	2	1200	A2H0415S23P	3250280	880	4039	841	—	—	—	—	15
	Motorized Trolley 4 Wheel	22½			5	2	1200	A2H0415S23M	3250300	950	4043	907	—	—	—	—	15
3	Lug Mounted 2 Pin	23½	23	5/16 IPS	—	3	1200	A2H0615S23L	3250320	880	—	—	—	7267	NA	—	15
	Lug Mounted 3 Pin	23⅞			—	3	1200	A2H0615S23L1	3250440	900	—	—	—	4191	1355	1355	15
	Plain Trolley 4 Wheel	26½			6	3	1200	A2H0615S23P	3250340	1020	6091	929	—	—	—	—	15
	Plain Trolley 6 Wheel	26⅝			5	3	1200	A2H0615S23P1	3250460	1070	2121	2121	2828	—	—	—	15
	Geared Trolley 6 Wheel	26⅝			5	3	1200	A2H0615S23G1	3250480	1120	2128	2128	2864	—	—	—	15
	Motorized Trolley 4 Wheel	26½			6	3	1200	A2H0615S23M	3250360	1075	6097	978	—	—	—	—	15
	Motorized Trolley 6 Wheel	26⅝			5	3	1200	A2H0615S23M1	3250500	1150	2132	2132	2886	—	—	—	15
5	Lug Mounted 2 Pin	23½	23	¾ XIP	—	5	1200	A2H1015S23L	3250380	960	—	—	—	12188	NA	—	15
	Lug Mounted 3 Pin	23⅞			—	5	1200	A2H1015S23L1	3250520	970	—	—	—	6830	2070	2070	15
	Plain Trolley 4 Wheel	26½			6	5	1200	A2H1015S23P	3250400	1100	9867	1233	—	—	—	—	15
	Plain Trolley 6 Wheel	26⅝			5	5	1200	A2H1015S23P1	3250540	1150	3441	3441	4268	—	—	—	15
	Geared Trolley 6 Wheel	26⅝			5	5	1200	A2H1015S23G1	3250560	1200	3449	3449	4302	—	—	—	15
	Motorized Trolley 4 Wheel	26½			6	5	1200	A2H1015S23M	3250420	1155	9872	1283	—	—	—	—	15
	Motorized Trolley 6 Wheel	26⅝			5	5	1200	A2H1015S23M1	3250580	1230	3453	3453	4324	—	—	—	15
7½	Lug Mounted 3 Pin	28½	25	¾ XIP	—	5	1800	A3H1512S25L	3373850	1700	—	—	—	11444	2628	2628	12
	Plain Trolley 6 Wheel	31⅝			6	5	1800	A3H1512S25P	3373870	1925	5795	5795	5335	—	—	—	12
	Geared Trolley 6 Wheel	31⅝			6	5	1800	A3H1512S25G	3374030	1975	5813	5813	5349	—	—	—	12
	Motorized Trolley 6 Wheel	31⅝			6	5	1800	A3H1512S25M	3373890	2000	5822	5822	5356	—	—	—	12
	Lug Mounted 3 Pin	28½			—	7½	1800	A3H1515S25L	3373910	1725	—	—	—	11450	2637	2637	15
	Plain Trolley 6 Wheel	31⅝			6	7½	1800	A3H1515S25P	3373930	1950	5798	5798	5354	—	—	—	15
	Geared Trolley 6 Wheel	31⅝			6	7½	1800	A3H1515S25G	3374050	2000	5816	5816	5368	—	—	—	15
	Motorized Trolley 6 Wheel	31⅝			6	7½	1800	A3H1515S25M	3373950	2025	5825	5825	5375	—	—	—	15
10	Lug Mounted 3 Pin	28½	25	¾ XIP	—	7½	1800	A3H2012S25L	3373970	1725	—	—	—	15109	3308	3308	12
	Plain Trolley 6 Wheel	31⅝			6	7½	1800	A3H2012S25P	3373990	1950	7628	7628	6694	—	—	—	12
	Geared Trolley 6 Wheel	31⅝			6	7½	1800	A3H2012S25G	3374070	2000	7646	7646	6708	—	—	—	12
	Motorized Trolley 6 Wheel	31⅝			6	7½	1800	A3H2012S25M	3374010	2025	7655	7655	6715	—	—	—	12

Standard trolley travel speed is 65 FPM

Trolleys are adjustable for Standard I beams, 4 inch to 8 inch flange widths
Beam size must be specified. Trolleys are also available for 3.25 or 3.33" patented track beams.

Trolleys for WF beams are available on application.

All references to beam flange widths are for clearance purposes only and do not imply that lower flange of beam will support hoist with load.

All dimensions in inches.

(a) Note: Wheel and pin loads do not include impact loads.

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QUALITY PRODUCTS: Your *Wright* equipment distributor represents a large group of the nation's best known manufacturers. He handles a wide range of fine product lines—giving you one local source for most all your industrial supply needs.

FAST DEPENDABLE SERVICE: Your *Wright* Dealer stands ready to furnish you with required delivery. In most cases, he is prepared to give you emergency service when it's necessary.

TECHNICAL SUPPORT: Experienced *Wright* Dealers are knowledgeable and fully equipped to answer questions you may have about *Wright* equipment. The dealer organization is strongly supported by factory representatives and strategically located warehouses, parts and repair centers. Product application data is yours for the asking. Your *Wright* Dealer can bring in factory trained service specialists quickly to help you with your specific problems.

WRIGHT[®] hoists, cranes & trolleys
mansaver[®] mechanical grabs
VAC-U-LIFT[®] vacuum lifters & transfer systems
LOUDEN[®] cranes, stackers, & monorail systems
 **ACCOLIFT**[®] hoists & trolleys



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